DEFENSE ACQUISITION UNIVERSITY

LOG 206 System Sustainment Management Fundamentals

110222

Course Learning/Performance Objectives followed by its enabling learning objectives on separate lines if specified.

1	**Describe the DoD Life Cycle Management Framework within the Defense Acquisition System**
	Describe the Elements of the DoD Acquisition Life Cycle Interface within DoD's Principle Decision Support Systems
	Describe DoD's Total Life Cycle Systems Management (TLCSM) and Sustainment Policies
	Identify Key DoD Service-level Acquisition Organizations in Life Cycle Management
2	**Identify the Logistics Enterprise Planning Processes that are Used to Ensure System Supportability and Affordability**
	Describe the Need for Mission Ready Combat Capability in Support of the Warfighter
	Describe the Relationship Between Acquisition and Sustainment
	Describe the Impact of Evolutionary Acquisition on Product Support
	Identify Joint Support Opportunities/Requirements that may be Incorporated into the Sustainment Strategy
	Describe the Evolution of the Life Cycle Sustainment Plan (LCSP)
	Identify Product Support Planning Inputs in the JCIDS Process/Documentation
	Identify the Key Events involved in Preparing Life Cycle Cost (LCC) Estimates
	Identify Product Support inputs into the Planning, Programming, Budgeting, and Execution (PPBE) Process
3	**Describe the Tools and Analyses that are used to Develop a Life Cycle Product Support Capability**
	Identify Key Tools/Processes used to Analyze Product Support Capability Requirements
	Describe the Purpose of the Business Case Analysis (BCA) in Defining Product Support Strategies
	Identify Key Stakeholders Involved in Sustainment
	Identify Product Support Risk Management Strategies Available to the Product Support Manager and Product Support Integrator
	Describe the Impact of the Mandatory Sustainment Key Performance Parameter/Key System Attributes on Product Support Planning
	Describe the Purpose of Logistics Test and Evaluation
	Describe the Methods used in the Evaluation of Product Support Capabilities
4	**Describe the DoD Processes and Disciplines Used to Deploy and Sustain DoD Systems**
	Identify the Responsibilities of the Product Support Manager (PSM)
	Identify Sustainment/Support Elements Used in the Life Cycle Sustainment Plan (LCSP)
	Describe the Purpose of System Fielding
	Describe the Purpose of Site Activation
	Describe the Relationship Between Initial Operational Capability (IOC) and Full Operational Capability (FOC) with Sustainment
	Describe how Systems Sustainment is Executed During the Operations and Support (O&S) Phase
5	**Describe the Processes and Disciplines Used in Sustaining Engineering and Product Improvement**
	Describe the Process of Leveraging Systems Engineering Tenants to Reduce Risk
	Describe the Purpose of Design for Supportability
	Describe the Relationship Between Supportability Analysis/Maintenance Planning and Ownership Cost with Sustainment
	Describe the Impact of Enhancing Reliability, Availability, and Maintainability of Fielded Systems
	Describe the Purpose of Interoperability
	Describe the Purpose of Standardization
	Describe the Purpose of Condition-Based Maintenance Plus (CBM+)
	Describe the Purpose of Reliability Centered Maintenance
	Describe the Purpose of Corrosion Prevention and Control
	Describe the Purpose of Sustaining Engineering
	Describe the Purpose of Environment, Safety, and Occupational Health (ESOH) and System Safety
	Describe Continuous Modernization and Technology Refreshment During Sustainment
	Describe Continuous Process Improvement/Lean Six Sigma during Sustainment
	Describe the Purpose of Failure and Utilization Data Collection and Analysis During Sustainment
	Describe the Purpose Deficiency Reporting, Materiel Improvement Program During Sustainment
6	**Describe the Role of Configuration Management in Executing Sustainment**
	Identify the Processes that Govern Configuration Management

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	Identify the Configuration Baselines Established in the Configuration Management Process
	Describe the Configuration Change Management Process
7	**Understand the Various Elements Required for an effective Data Management program**
	Identify the Requirement for a Data Management Strategy
	Describe the Content of a Data Management Strategy
	Identify Who is Responsible for Protecting System Data used in Systems Acquisition
	Identify the Five Key Information Assurance (IA) Attributes
	Describe the Purpose of the Global Information Grid (GIG)
	Identify Current Trends in Threats to Critical Technologies
	Identify Current Department of Defense (DoD) Protection Initiatives and Programs
	Define Technical Data
	Identify the Different Types of Technical Data Rights
	Describe How Technical Data Management is Influenced by the Configuration Management Program
	Identify Key Department of Defense (DoD) Service-Level Technical Manual/Technical Order Management Policies.
8	**Describe the Role of Supply and Supply Chain Management within the Department of Defense Acquisition Enterprise**
	Describe the Role of Supply Chain Management within the Department of Defense Acquisition Enterprise
	Describe How Enterprise Resource Planning (ERP), Logistics Systems, and Maintenance Data Collection Systems are Used to Support Sustainment
	Describe the Role of Parts Management in Support of Department of Defense Supply Chain Management
	Describe how Demand Planning/Spares Forecasting is Used to Manage Sustainment
	Describe the Purpose of Cataloging and Provisioning within Department of Defense Supply Chain
	Describe the Purpose of Item Unique Identification (IUID)
	Describe How Radio Frequency Identification (RFID) is Used to Support Supply Chain Management
	Describe the Roles of the Inventory Control Points (ICPs), the Defense Logistics Agency (DLA), U.S. Transportation Command (USTRANSCOM) in Executing Performance-Based Life Cycle Product Support
9	**Describe the Processes and Disciplines Used in Integrating Interdisciplinary Activities In A Performance-Based Life cycle Product Support Environment**
	Describe the Purpose of Planning, Designing and Funding System Upgrades in a PBL Environment
	Describe the Impact of Modification Planning and Execution in a PBL Environment
	Describe the Impact of Implementing Service Life Extensions in a PBL Environment
	Describe the Impact of the Incorporation of Time Compliance Technical Orders in a PBL Environment
	Describe the Impact of Integrating Product Support Elements to Achieve Warfighter Outcomes in a PBL Environment
10	**Understand how Manpower and Training Requirements Influence the Life Cycle Logistics Program Requirements**
	Describe how Skill Set Requirements Effect Life Cycle Logistics Program Requirements
	Describe the Impact of Established Training Requirements on Life Cycle Logistics Program Requirements
	Describe how Manpower Requirements Influence Life Cycle Logistics Program Requirements
	Describe how Initial and Recurring Training Programs Impact Life Cycle Logistics Program Requirements
11	**Describe the Role of Maintenance in Providing Systems Sustainment**
	Summarize the Laws and Policies that Affect Maintenance and Sustainment within the DoD
	Describe the Performance Based Life Cycle Product Support (i.e., Performance Based Logistics (PBL)) Business Model and the Role of PBL in Executing Maintenance
	Summarize the Role of Maintenance in Executing Operational and Joint Theater Logistics
	Describe the Role of Support Contractors in Executing Operational and Joint Theater Logistics
	Describe the DoD's Depot Maintenance Enterprise, and How Core, 50-50, and Initiatives for Partnering Shape the DoD Maintenance Enterprise
	Describe the Depot Source of Repair (DSOR) Process and its Role in Maintenance Planning
	Describe How Contingency Planning Influences DoD Maintenance Planning
	Describe How Surge Requirements are Integrated within the Contingency Planning and Maintenance Planning Processes

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	Describe the Role of Reset and Recapitalization in Executing Maintenance
	Describe the Role that Support and Test Equipment Plays in DoD Maintenance and Sustainment
	Define Automatic Test Equipment (ATE) and its Role in Executing Weapon System Maintenance and Sustainment
12	**Describe How Obsolescence and Diminishing Manufacturing Sources and Material Shortages (DMSMS) Planning and Execution Are Incorporated within the Department of Defense Life Cycle Management Framework**
	Describe how Obsolescence Impacts DoD Systems, and the Management Strategies Utilized by the DoD to Mitigate the Impact of Obsolescence
	Describe how Diminishing Manufacturing Sources and Material Shortages (DMSMS) Impact DoD Systems, and the Management Strategies Utilized by the DoD to Mitigate the Impact of DMSMS
	Describe the Role of the Government-Industry Data Exchange Program (GIDEP) in Managing Diminishing Manufacturing Sources and Material Shortages (DMSMS
	Describe the Management and Risk Mitigation Strategies Used within the DoD to Prevent Counterfeit Parts from Entering the Supply System
	Describe the Risk Mitigation Strategies Being Developed within the DoD to Manage Lead-Free Electronics
13	**Describe the Processes Used in Retirement, Demilitarization and Disposal**
	Identify Department of Defense/Service Policies that Influence Actions Required at the End of a Weapon System's Useful Life
	Describe the Investment Analysis Process used in Weapon System Retirement, Demilitarization and Disposal Decisions
	Describe the Purpose of the Replaced System Sustainment Plan
	Describe the Impact of Environmental Considerations on Planning for and Executing the Actions Required at the End of a Weapon System's Useful Life
	Describe the Purpose of System Retirement Planning and Execution